

Title (en)

Mercury adsorbent carbons and carbon molecular sieves.

Title (de)

Kohlenstoff-Adsorptionsmittel für Quecksilber und Kohlenstoff-Molekularsiebe.

Title (fr)

Carbones absorbant le mercure et tamis moléculaires carbonacés.

Publication

**EP 0145539 A2 19850619 (EN)**

Application

**EP 84402205 A 19841102**

Priority

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- US 54847283 A 19831103

Abstract (en)

The instant invention is directed to a nut shell carbon impregnated with from about 0.005 to about 15 percent, by weight, of sulfur, and a carbon molecular sieve, having a nitrogen diffusivity of less than  $2600 \times 10^{-8} \text{ cm}^2/\text{second}$ , impregnated with from about 0.005 to about 15, preferably 0.01 to 10, most preferably 3 to 7, percent, by weight, of a mercury reactive material. The instant invention is also directed to a process for removing mercury vapor from gas streams comprising passing a gas stream containing mercury vapor into contact with a nut shell carbon impregnated with from about 0.005 to about 15 percent, by weight, of sulfur, and to a process for removing mercury vapor from gas streams which comprises passing a gas stream containing mercury vapor into contact with a carbon molecular sieve, having a nitrogen diffusivity of less than  $2600 \times 10^{-8} \text{ cm}^2/\text{second}$ , impregnated with from about 0.005 to about 15 percent, by weight, of a mercury reactive material.

IPC 1-7

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CPC (source: EP)

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Cited by

EP0271618A1; EP0638351A3; CN109499533A; CN106914215A; US8268744B2; US7578869B2; US8696931B2; US8728974B2; US8906823B2; US7753992B2; US8420561B2; US8480791B2; US7575629B2; US7704920B2; US8685351B2; US9067192B2

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